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*North America's Leader in Hazardous Material Information Management*  
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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Southern Agricultural Insecticides, Inc.  
Product Name: Oftanol 1.5 Granular (DISCONTINUED)

# OFTANOL 1.5 GRANULAR

## MATERIAL SAFETY DATA SHEET

### Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.  
P.O. Box 218, Palmetto, FL. 34220

Phone: 941-722 3285  
Chemtrec: 1-800-424-9300

### I NOMENCLATURE

<b>Product Name:</b>	OFTANOL 1.5 GRANULAR	<b>EPA Reg. No.</b> 829-257
<b>Chemical Name:</b>	1-Methylethyl-2-[[ethoxy[1-methylethyl]amino]phosphinothioyl]oxy]benzoate.	
<b>Common Name:</b>	Isofenphos	
<b>Synonyms:</b>	Amaze, Oftanol	
<b>Chemical Family:</b>	Organophosphorus pesticide	

### II ACTIVE INGREDIENT

Isofenphos	1.56%	CAS No.25311-71-1	TLV Not established
PNOR (dust)		PEL respirable dust 5 mg/m <sup>3</sup>	Total Dust 15 mg/m <sup>3</sup>

### III PHYSICAL PROPERTIES

<b>Boiling Point:</b> Not applicable	<b>Bulk Density:</b> 35 lb/ft <sup>3</sup>
<b>Vapor Pressure:</b> (isophenfos) $1.6 \times 10^{-8}$ mm Hg @ 20°C	<b>Percent Volatile:</b> (by volume) Not established
<b>Vapor Density:</b> (air=1) Not applicable	<b>Solubility in Water:</b> (isofenphos) 18 ppm @ 20°C.
<b>Appearance/Odor:</b> Light tan, fine, natural organic granules, with slight sulfur odor.	

### IV FIRE AND EXPLOSION DATA

**Flash Point:** Not applicable      **Extinguishing Media:** Water Spray, dry chemical, CO<sub>2</sub> for small fires.

**Special Fire Fighting Procedures:** Personnel should stay out of smoke, remain upwind. Firemen should wear self contained breathing apparatus (air-pac) and full protective clothing. Use water spray to cool fire exposed containers.

**Unusual Fire & Explosion Hazards:** Toxic gasses are evolved when material is overheated. Do not breathe smoke or vapors generated. If water is used, use soft stream foggers to minimize spread of contamination. Dust explosion is possible.

### V FIRST AID

**First Aid for EYE Exposure:** Flush eyes a gentle stream of clean water for at least 15 minutes. Hold eye lids apart to ensure washing underside of lids. Remove contact lenses while rinsing. If irritation develops see a physician.

**First Aid for SKIN Exposure:** Remove contaminated clothing and wash all exposed skin surfaces thoroughly with soap and water. If toxic symptoms or irritation develop get immediate medical attention.

**First Aid for INHALATION:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get prompt medical attention.

**First aid if SWALLOWED:** If victim is conscious and alert, wash out mouth with water. Then immediately give 2-3 glasses of water to drink and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious give additional water to further dilute the chemicals. Get immediate medical assistance.

**Note to Physician:** Atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered but only in conjunction with atropine. In case of poisoning notify Bayer Corp. Agriculture Division, (816) 242-2582

### VI HEALTH HAZARD DATA

**Routes of Entry:** Dermal contact and inhalation are primary routes of entry. Isofenphos can be absorbed by skin. Inhalation, dermal absorption or ingestion. Isofenphos is a cholinesterase inhibitor. The sequence of development of systemic effects varies with the route of entry, and the onset of symptoms may be delayed up to 12 hours. First symptoms of poisoning may be nausea, increased salivation, lacrimation, blurred vision, and constricted pupils. Other symptoms of systemic poisoning include vomiting, diarrhea, abdominal cramping, dizziness, and sweating. After inhalation, respiratory symptoms like tightness of chest, wheezing, and laryngeal spasms may be pronounced at first.

**Toxicology:** (Isofenphos)      **Oral:** LD50(male rats)>821 mg/kg., female rat >565 mg/kg

**Dermal:** LD50(rabbit)>2000mg/kg      **Inhalation:** LC50 4 hr (dust) rat > 1.013 mg/kg (analytical),  
1 hr(dust) rat> 20.0 mg/L (nominal)

Skin, rabbit not a dermal irritant, Eye rabbit mild eye irritant Sensitization Guinea pig (isofenphos) is not a sensitizer.

**Carcinogenicity:** Isofenphos is not listed by NTP, IARC, or regulated as a carcinogen by OSHA

## OFTANOL 1.5 GRANULAR

### MATERIAL SAFETY DATA SHEET

#### VII REACTIVITY

**Stability:** Stable under normal storage conditions.

**Materials to Avoid:** Alkaline materials and strong oxidizing agents.

**Hazardous Decomposition Products:** P2O5, SO2, Amines.

**Hazardous Polymerization:** Will not occur.

#### VIII SPILL OR LEAK PROCEDURE

**Steps To Be Taken If Spilled:** Wear protective equipment. Avoid breathing dust. Avoid skin contact. Sweep up spilled material. Scrub contaminated area with detergent, bleach and water.

**Waste Disposal:** Material that can not be used according to label instructions should be disposed of according to local, State and Federal regulations.

#### IX SPECIAL PROTECTION

**Respiratory: Type/Conditions:** NIOSH approved chemical cartridge pesticide respirator in dusty or confined areas and/or where exposure is repeated and/or prolonged.

**Ventilation:** For outdoor use remain upwind of applicator discharge. For confined indoor areas use local exhaust.

**Gloves:** Rubber or neoprene gloves if contact is unavoidable.

**Eye Protection:** Chemical goggles where there is potential for eye contact. Safety glasses with side shields for normal use conditions.

**Other Protective Equipment:** Clean, freshly laundered, body covering work clothing.

#### X SPECIAL PRECAUTIONS

**Handling Precautions:** Avoid personal contact. Do not breathe dust. Wash thoroughly after use. Do not wear contaminated clothing. Do not damage containers while handling.

**Storing Precautions:** Do not place leaking or damaged containers into storage. Store in cool, dry, well ventilated area. Do not store where 30 day average temperature would exceed 100°F. Do not store near any material intended for use or consumption by humans or animals.

**Other Precautions: KEEP OUT OF REACH OF CHILDREN.** Do not contaminate any body of water by application, by cleaning equipment or disposal of waste.

#### XI SHIPPING AND FEDERAL REGULATIONS

DOT Not regulated      **Freight class:** Insecticides O/T poison NOI, NMFC 102120

OSHA status: Hazardous under criteria of Hazard Communication Standard 29 CFR 1910.1200

Cercla reportable quantity: No components listed.

SARA TITLE III:

Section 302 Extremely Hazardous Substances: No components listed.

Section 311/312 Hazard Categories: Immediate Health Hazard; Delayed Health Hazard.

Section 313: Toxic chemicals: No components listed.

RCRA Status: If discarded in it's purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal if the material should be classified as a hazardous waste.

Ref.: Miles MSDS 5% Ofanol 1/91

Miles MSS Ofanol Technical 9/93

29 CFR 1995

40 CFR part 355 1995

40 CFR part 302.4 1995

49 CFR parts 171-173 1997

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.